

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 9/19/99 are:

- A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:                  Black ink. Color.                  ___ Color drawings are not acceptable until petition is granted.                  Fig(s) _____                  ___ Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84 (b)                  ___ 1 full-tone set is required. Fig(s) _____                  ___ Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____                  ___ Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(e)                  ___ Paper not flexible, strong, white, and durable.                  Fig(s) _____                  ___ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____                  ___ Mylar, velum paper is not acceptable (too thin).                  Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:                  ___ 21.0 cm by 29.7 cm (DIN size A4)                  ___ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)                  ___ All drawing sheets not the same size.                  Sheet(s) _____                  ___ Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:                  Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm                  SIZE: A4 Size                  Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm                  SIZE: 8 1/2 x 11                  Margins not acceptable. Fig(s) _____                  ___ Top (T) _____ Left (L)                  ___ Right (R) _____ Bottom (B)</p> <p>6. VIEWS. 37 CFR 1.84(h)                  REMINDER: Specification may require revision to correspond to drawing changes.                  Partial views. 37 CFR 1.84(h)(2)                  ___ Brackets needed to show figure as one entity.                  Fig(s) _____                  ___ Views not labeled separately or properly.                  Fig(s) _____                  ___ Enlarged view not labeled separately or properly.                  Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)                  ___ Hatching not indicated for sectional portions of an object.                  Fig(s) _____                  ___ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS: 37 CFR 1.84(i)                  ___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)                  ___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.                  Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(i)                  ___ Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality).                  Fig(s) <u>1, 6</u></p> <p>11. SHADING. 37 CFR 1.84(m)                  ___ Solid black areas pale. Fig(s) _____                  ___ Solid black shading not permitted. Fig(s) _____                  ___ Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p)                  ___ Numbers and reference characters not plain and legible.                  Fig(s) _____                  ___ Figure legends are poor. Fig(s) _____                  ___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)                  Fig(s) _____                  ___ English alphabet not used. 37 CFR 1.84(p)(2)                  Figs _____                  ___ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)                  Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)                  ___ Lead lines cross each other. Fig(s) _____                  ___ Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(l)                  ___ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)                  ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)                  ___ Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152                  ___ Surface shading shown not appropriate. Fig(s) _____                  ___ Solid black shading not used for color contrast.                  Fig(s) _____</p>
<p>COMMENTS</p>	

REVIEWER JRL DATE 10/1/99 TELEPHONE NO. \_\_\_\_\_  
 ATTACHMENT TO PAPER NO. 4

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## INFORMATION ON HOW TO EFFECT DRAWING CHANGES

### 1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Processing Branch.

### 2. Timing for Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable corrections resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in **ABANDONMENT** of the Application.

### 3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.